

Claims

What is claimed is:

- 1 1. A method for implementing enhanced notification and control
2 features in an oscilloscope comprising the steps of:
3 receiving user selected notification options and user selected control
4 options;
5 identifying a predefined event;
6 using said user selected notification options, notifying a remote user
7 of said identified predefined event; and
8 using said user selected control options, receiving user selections for
9 enabling the user to remotely control oscilloscope operational settings.
- 1 2. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of identifying a predefined
3 event includes the step of identifying a user selected trigger event.
- 1 3. A method for implementing enhanced notification and control
2 features as recited in claim 1 further includes the steps of identifying a
3 predefined call in event; and using said user selected control options,
4 receiving user selections for enabling the user to remotely control
5 oscilloscope operational settings.
- 1 4. A method for implementing enhanced notification and control
2 features as recited in claim 3 includes identifying a user entered password
3 before receiving said user selections for enabling the user to remotely
4 control oscilloscope operational settings.
- 1 5. A method for implementing enhanced notification and control
2 features as recited in claim 1 further includes the steps of identifying a
3 predefined email event; accepting said email and using said user selected
4 control options, executing command requests in said email for enabling the
5 user to remotely control oscilloscope operational settings.

1 6. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of receiving user selected
3 notification options includes the steps of receiving user selections of one or
4 more of a predefined set of user selected telephone, email, and pager
5 options, telephone numbers, email addresses, and a list of predefined items
6 to be sent to the user.

1 7. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of receiving user selected
3 control options includes the steps of receiving user selections of one or more
4 of a predefined set of telephone commands, a predefined set of email
5 commands, a telephone password, and an email password.

1 8. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 notification options, notifying said remote user of said identified predefined
4 event includes the steps of identifying a user selected telephone number,
5 calling said user selected telephone number, and giving a message to the
6 user including a predefined list of items.

1 9. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 notification options, notifying said remote user of said identified predefined
4 event includes the steps of identifying a user selected email option, sending
5 an email to the user including a predefined list of items.

1 10. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 notification options, notifying said remote user of said identified predefined
4 event includes the steps of identifying a user selected pager option, calling a
5 user selected pager telephone number, and sending a text message to the
6 user.

1 11. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 control options, receiving user selections for enabling the user to remotely
4 control oscilloscope operational settings includes the steps of receiving user
5 selections for one or more of a channel selection for the oscilloscope, a
6 trigger level change, and a trigger edge change.

1 12. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 control options, receiving user selections for enabling the user to remotely
4 control oscilloscope operational settings includes the steps of receiving user
5 selections of contact options to change one or more of a telephone number,
6 an email list, and a pager list.

1 13. A method for implementing enhanced notification and control
2 features as recited in claim 1 wherein the step of using said user selected
3 control options, receiving user selections for enabling the user to remotely
4 control oscilloscope operational settings includes the steps of receiving user
5 selections to change one or more of a plurality of oscilloscope settings
6 including graphics settings and a list of commands with current settings.

1 14. A computer program product for implementing enhanced
2 notification and control features in an oscilloscope system, said computer
3 program product including instructions executed by the oscilloscope system
4 to cause the oscilloscope system to perform the steps of:
5 receiving user selected notification options and user selected control
6 options;
7 identifying a predefined event;
8 using said user selected notification options, notifying a remote user
9 of said identified predefined event; and
10 using said user selected control options, receiving user selections for
11 enabling the user to remotely control oscilloscope operational settings.

1 15. A computer program product for implementing enhanced
2 notification and control features in an oscilloscope system wherein said
3 instructions executed by the oscilloscope system further cause the
4 oscilloscope system to perform the steps of identifying a predefined call in
5 event; and using said user selected control options, receiving user selections
6 for enabling the user to remotely control oscilloscope operational settings.

1 16. A computer program product for implementing enhanced
2 notification and control features in an oscilloscope system wherein said
3 instructions executed by the oscilloscope system further cause the
4 oscilloscope system to perform the steps of identifying a predefined email
5 event; and using said user selected control options, executing command
6 requests in said email for enabling the user to remotely control oscilloscope
7 operational settings.

1 17. Apparatus for implementing enhanced notification and control
2 features in an oscilloscope comprising:
3 memory for storing a notification and control program, user selected
4 notification options and notification data and user selected control options
5 and control data;
6 a processor operatively controlled by said notification and control
7 program for identifying a predefined event; using said user selected
8 notification options and notification data, for notifying a remote user of said
9 identified predefined event; and using said user selected control options and
10 control data, for receiving user selections for enabling the user to remotely
11 control oscilloscope operational settings.

1 18. Apparatus for implementing enhanced notification and control
2 features in an oscilloscope as recited in claim 17 wherein said user selected
3 notification options and notification data includes one or more of a
4 predefined set of user selected telephone, email, and pager options,
5 telephone numbers, email addresses, and a list of predefined items to be
6 sent to the user.

1 19. Apparatus for implementing enhanced notification and control
2 features in an oscilloscope as recited in claim 17 wherein said user selected
3 control options and control data includes one or more of a predefined set of
4 telephone commands, a predefined set of email commands, a telephone
5 password, and an email password.

1 20. Apparatus for implementing enhanced notification and control
2 features in an oscilloscope as recited in claim 17 wherein said processor for
3 receiving user selections for enabling the user to remotely control
4 oscilloscope operational settings includes said processor for receiving user
5 selections for one or more contact options to change one or more of a
6 telephone number, an email list, and a pager list; said processor for
7 receiving user selections for one or more oscilloscope options to change one
8 or more of a plurality of oscilloscope settings including graphics settings and
9 a list of commands with current settings; and said processor for receiving
10 user selections for one or more trigger options to change one or more of an
11 oscilloscope channel, a trigger level, and a trigger edge.